



UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
09/788222	2-16-01	Kim	60462-301420

EXAMINER	
W. A. Lange	
ART UNIT	PAPER NUMBER

1754 7

DATE MAILED:

INTERVIEW SUMMARY

All participants (applicant, applicant's representative, PTO personnel):

(1) Mr. Dort (3) _____
(2) Examiner Lange (4) _____

Date of Interview 6-23-03

Type: ☐ Telephonic ☐ Televideo Conference ☐ Personal (copy is given to ☐ applicant ☒ applicant's representative).

Exhibit shown or demonstration conducted: ☐ Yes ☒ No If yes, brief description: _____

Agreement ☐ was reached. ☒ was not reached.

Claim(s) discussed: 2

Identification of prior art discussed: U.S. Pat. 5,980,858 (Fujimura et al)

Description of the general nature of what was agreed to if an agreement was reached, or any other comments: Mr. Dort

proposed claim 2, as attached hereto. The examiner stated that closer examination of Fujimura et al would be required to determine if proposed claim 2 would be allowable. Waste gas acting as catalytic reaction was discussed.

(A fuller description, if necessary, and a copy of the amendments, if available, which the examiner agreed would render the claims allowable must be attached. Also, where no copy of the amendments which would render the claims allowable is available, a summary thereof must be attached.)

☐ It is not necessary for applicant to provide a separate record of the substance of the interview.

Unless the paragraph above has been checked to indicate to the contrary. A FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION IS NOT WAIVED AND MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW.

Examiner Note: You must sign this form unless it is an attachment to another form.

Wayne A. Lange

What is claimed is:

1. (cancelled) ~~A method of gasifying large molecular weight organic materials waste comprising the steps of:~~

5 ~~supplying initial fuel gas and oxygen into a gasification reactor to produce water and carbon dioxide;~~

~~supplying organic materials wastes into the reactor and reacting them with the water and carbon dioxide to produce carbon monoxide and hydrogen gas;~~

~~discharging the carbon monoxide and hydrogen gas from the reactor;~~

10 ~~recycling a part of the carbon monoxide and hydrogen gas discharged from the reactor into the reactor to maintain the reactor; and~~

~~reacting the carbon monoxide and hydrogen gas supplied into the reactor with oxygen to produce water and carbon dioxide.~~

2. (amended) ~~The method according to claim 1, further comprising the step of reacting the water and carbon dioxide, that is produced from the recycled carbon monoxide and hydrogen gas, with the organic materials to produce further carbon monoxide and hydrogen gas.~~

A method of gasifying carbonaceous material in a gasification reactor comprising the steps of:

20 combusting carbon monoxide and hydrogen gas in a oxidation chamber connected to the bottom of the gasification reactor to produce carbon dioxide and water molecules with heat;

introducing the stream of the steam and carbon dioxide into the gasification reactor to raise the gasification reactor temperature above 1,200 °C;

25 reacting carbonaceous material with the steam and carbon dioxide in the gasification reactor to produce carbon monoxide and hydrogen gas;
 and

recycling a portion of the produced carbon monoxide and hydrogen gas into the oxidation chamber for continuous operation.

3. (cancelled)

30 4. (cancelled).